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Date: October 17, 2003

Signature:

*Nabeela R. McMillian*  
Nabeela R. McMillian

Docket No.: 01017/33718B  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: *Zsebo et al.*

Application No.: 10/620,642

Group Art Unit: To be assigned

Filed: July 16, 2003

Examiner: To be assigned

For: Methods of Stimulating Growth of Stromal;  
Cells in a Human

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached modified Form PTO - 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Submitted herewith is a modified Form PTO-1449 listing several documents. Copies of documents A1-A30, B1-B14 and C1-C65 have been submitted in related application no. 09/635,251, filed August 7, 2000 and pursuant to 37 CFR §1.98(d), copies are not submitted herewith.

It is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for the instant application under any section of 35 U.S.C. §102 or 35 U.S.C. §103.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other

Application No.: 10/620,642

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material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

This statement and the Form 1449 are submitted before receipt of a first official action on the merits in the above-identified patent application. Accordingly, it is believed that no fee is due in this matter under 37 C.F.R. §1.97(b). However, if it is determined that any appropriate fee is due, please charge Deposit Account Number 13-2855. A duplicate of this paper is enclosed.

Dated: October 17, 2003

Respectfully submitted,

By 

Nabeela R. McMillian

Registration No.: 43,363

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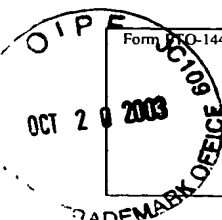
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Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

01017/33718B

Serial No.

10/620,642

Applicant

Zsebo et al.

Filing Date

July 16, 2003

Group

TBA

# INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	A1	3,898,837	08/12/1975	Boege	73	23.1	
	A2	4,275,056	06/23/1981	Takaku et al.	424	99	
	A3	4,338,397	07/06/1982	Gilbert et al.	435	68	
	A4	4,353,242	10/12/1982	Harris et al.	73	23.1	
	A5	4,438,032	03/20/1984	Golde et al.	260	112	
	A6	4,634,665	01/06/1987	Axel et al.	435	68	
	A7	4,695,542	09/22/1987	Yokota et al.	435	68	
	A8	4,703,008	10/27/1987	Lin	435	240.2	
	A9	4,714,680	12/22/1987	Civin	435	240.25	
	A10	4,721,096	01/26/1988	Naughton et al.	128	1 R	
	A11	4,722,998	02/02/1988	Cantor et al.	530	351	
	A12	4,808,611	02/28/1989	Cosman	514	12	
	A13	4,810,643	03/07/1989	Souza	435	68	
	A14	4,845,078	07/04/1989	Masaoka	514	8	
	A15	4,847,325	07/11/1989	Shadle et al.	525	54.1	
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	A21	5,087,570	02/11/1992	Weissman et al.	435	240.1	
	A22	5,119,315	06/02/1992	Kemp et al.	364	498	
	A23	5,121,337	06/09/1992	Brown	364	498	
	A24	5,599,703	02/04/1997	Davis et al.	435	373	
	A25	5,620,685	04/15/1997	Nishi et al.	424	85.1	
	A26	5,641,670	06/24/1997	Treco et al.	435	240.2	
	A27	5,767,074	06/16/1998	Besmer et al.	514	12	
	A28	5,772,992	06/30/1998	Bauer et al.	424	85.2	
	A29	5,786,323	06/28/1998	Nakahata	514	2	
	A30	5,935,565	08/10/1999	Besmer et al.	424	85.1	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. <b>01017/33718B</b>	Serial No. <b>10/620,642</b>
<b>INFORMATION DISCLOSURE STATEMENT</b>		Applicant <b>Zsebo et al.</b>	
		Filing Date <b>July 16, 2003</b>	Group <b>TBA</b>

FOREIGN PATENT DOCUMENTS								
*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	0 232 707	08/19/1987	EPO	C12N	15/00		
	B2	EP 0 845 268	06/03/1998	EPO	A61K	38/18		
	B3	JP 8325294	12/10/1996	JP	C07K	14/52		X
	B4	JP 62-223126	10/01/1987	JP	A61K	35/12		X
	B5	JP 09154578 A	06/17/1997	JP	C12N	15/02	ABS	
	B6	JP 62-107796	05/19/1997	JP	C12F	21/00	ABS	
	B7	WO 89/04452	05/18/1989	PCT	F41H	5/04		
	B8	WO 92/03459	03/05/1992	PCT	C07H	15/12		
	B9	WO 92/07074	04/30/1992	PCT	C12N	15/12		X
	B10	WO 93/21936	11/11/1993	PCT	A61K	35/16		
	B11	WO 95/06112	03/02/1995	PCT	C12N	5/08		
	B12	WO 95/28479	10/26/1995	PCT	C12N	5/08		X
	B13	WO 98/18924	05/07/1998	PCT	C12N	15/12		
	B14	WO 98/23773	06/04/1998	PCT	C12Q	1/02		

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C1	Abstract, Kokai, October 1, 1987, "Human hematopoietic stem cell growth factor-purification and characterization," Dialog File 357 DBA Accession No. 88-01369 of JP 62-223126.	
C2	Bodine et al., "Combination of Interleukins 3 and 6 Preserves Stem Cell Function in Culture and Enhances Retrovirus-Mediated Gene Transfer Into Hematopoietic Stem Cells," <i>Proc. Nat'l Acad. Sci., USA</i> , 86:8897-8901 (1989).	
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C7	Dick et al., "Introduction of New Genes into Hematopoietic Stem Cells," <i>J. Cell. Biol.</i> , Supplement 11A, p.187 (1987) (ABSTRACT D 026).	
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

C12	Grabbe, J. et al., "Stem Cell Factor, a Novel Cutaneous Growth Factor for Mast Cells and Melanocytes," <i>Arch. Dermatol. Res.</i> , 287:78-84 (1994).
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C31	Lewin, ed. <i>Genes II</i> , John Wiley & Sons, New York, p. 681 (1985)
C32	Lyman et al., "Molecular Cloning of a Ligand for the flt3/flk-2 Tyrosine Kinase Receptor: A Proliferative Factor for Primitive Hematopoietic Cells," <i>Cell</i> , 75:1157-1167 (1993).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
C33	Lyman et al., "Molecular Cloning of a Ligand for the flt3/flk-2 Tyrosine Kinase Receptor: A Proliferative Factor for Primitive Hematopoietic Cells," Abstract 335, American Society of Hematology (1993).	
C34	MacKenzie, M.A.F. et al., "Activation of the Receptor Tyrosine Kinase Kit is Required for the Proliferation of Melanoblasts in the Mouse Embryo," <i>Developmental Biology</i> , 192:99-107 (1997).	
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C37	Martin, P., "HEL Cells: A New Human Erythroleukemia Cell Line with Spontaneous and Induced Globin Expression," <i>Science</i> , 216:1233-1235 (1982).	
C38	Mayer, T.C. et al., "An Experimental Analysis of the Pigment Defect Caused by Mutations at the W and SI Loci in Mice," <i>Developmental Biology</i> , 18:62-75 (1968).	
C39	McDermott et al., "Inhibition of Cell Proliferation in Renal Failure and Its Significance to the Uraemic Syndrome: A Review," <i>Scot. Med. J.</i> , 20:317-327 (1975).	
C40	McNeice et al., "A Growth Factor Produced by WEHI-3 Cells for Murine High Proliferative Potential GM-Progenitor Colony Forming Cells," <i>Cell Biol. Int. Rep.</i> , 6:243-251 (1982).	
C41	McNiece et al., "Studies on the Myeloid Synergistic Factor From 5637: Comparison with Interleukin-1 Alpha," <i>Blood</i> , 73:919-923 (1989).	
C42	McNiece et al., "Detection of Muring Hemopoietin-1 in Media Conditioned by EMT6 Cells," <i>Exp. Hematol.</i> , 15:854-858 (1987).	
C43	McNiece et al., "Synergistic Internactions Between Hematopoietic Growth Factors as Detected by in vitro Mouse Bone Marrow Colony Formation," <i>Exp. Hematol.</i> , 16:383-388 (1988).	
C44	Moore, M.A.S., "Clinical Implications of Positive and Negative Hematopoietic Stem Cell Regulators," <i>Blood</i> , 78:1-19 (1991).	
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C46	Nabel et al., "Inducer T Lymphocytes Synthesize a Factor That Stimulates Proliferation of Cloned Mast Cells," <i>Nature</i> , 291:332-334 (1981).	
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C48	Ngo et al., "Computational Complexity Protein Structure Prediction, and the Levinthal Paradox," In <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , Merz et al., (eds.), 1994 pp.433-495	
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C51	Sarvella. P.A. et al., "Steel, A New Dominant Gene in the House Mouse, With Effects on Coat Pigment and Blood," <i>The Journal of Histology</i> , 47:123-128 (1956).	
C52	Schrader, "Role of a Single Haemopoietic Growth Factor in Multiple Proliferative Disorders of Haemopoietic and Related Cells," <i>Lancet</i> , 2:133-137 (1984).	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
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